





Product solutions for Acute Care Facilities



One Facility: Many Areas, Many Surfaces, Many Infection Control Risks

Hospital patients are at high risk for developing healthcare-associated infections (HAIs). Infection prevention and control programs can help prevent the spread of infection to vulnerable patients. Proper cleaning and disinfecting programs depend on identifying the challenges and risks within a facility and responding with the most appropriate products.

C. difficile and Emerging Pathogen Risk Areas

Isolation Rooms, ICU, Endoscopy, Emergency Department

The risk of contracting *C. diff* goes up 2.5x for patients assigned to rooms previously occupied by a *C. diff* patient.¹

Challenges:

- Frequent *C. difficile* and gastrointestinal pathogen exposure
- ▶ High traffic from patients, staff and visitors
- Patients with weakened immune systems or previous infection with C. diff

Specialty Areas

Rehabilitative Services, Behavioral Health, Oncology, Burn Units, Labor & Delivery, & NICU

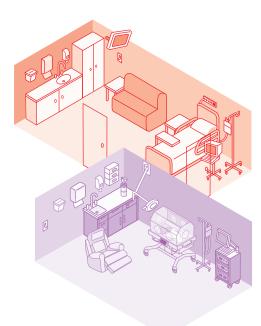
45% of high-touch surfaces in the NICU were contaminated with common pathogens (*E. coli, Klebsiella* spp., *S. aureus*). One-third of the *S. aureus* isolates were methicillin resistant (MRSA).³

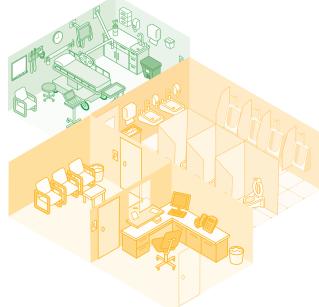
Challenges:

- Odor-sensitive patients and personnel
- Immunocompromised patients with increased susceptibility to infection
- Dynamic, high-touch surfaces with sensitive electronic equipment













Procedural & Diagnostic Areas

Perioperative Services, Dialysis, Radiology, Cardiac Catheterization Laboratories

One study reported that 75% of high-touch surfaces in the OR were missed during the terminal cleaning process.²

Challenges:

- Fast-paced environments
- Regularly soiled/stained surfaces
- ► High tech, high-cost equipment

Common and Staff Areas

Lobbies & Reception Areas, Public Restrooms, Lounges, Breakrooms & Cafeterias, Offices & Conference Rooms

Soft, porous surfaces aid in the spread of microbes, like MRSA, in the healthcare environment. Routine sanitization of soft surfaces can reduce bacterial contamination.⁴

Challenges:

- Many pathogens retain infectivity on surfaces for days, weeks or even months
- Large spaces are often overlooked or deprioritized
- High traffic from patients, staff and visitors with relaxed infection control practices

^{1.} Chemaly RF, Simmons S, Dale C, Shashank G, Rodriguez M, Gubb J, et al. The role of the healthcare environment in the spread of multidrug-resistant

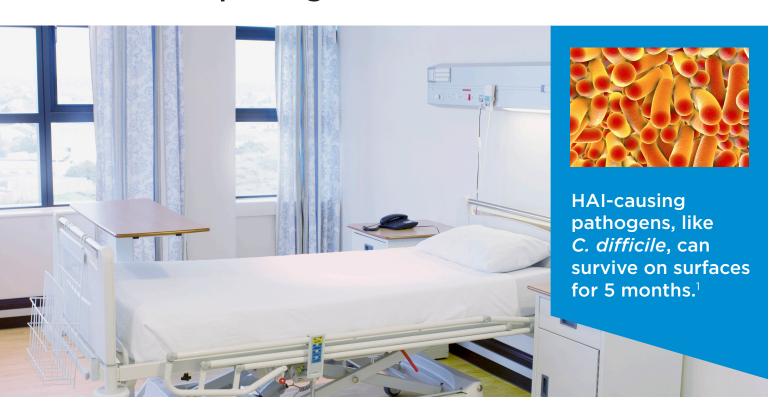
organisms: update on current best practices for containment. Therapeutic Advances in Infectious Disease. 2014;2(3-4):79-90.

2. Jefferson J, Whelan R, Dick B, Carling P. A Novel technique for identifying opportunities to improve environmental hygiene in the operating room. AORN J. 2011;93(3):358-364

Jefferson J, Whelan R, Dick B, Carling P. A Novel technique for identifying opportunities to improve environmental hygiene in the operating room. AORN J. 201;93(3):358-364.
 Bhatta D, Subramanya S, Hamal D, Shrestha R, Gauchan E, Basnet S, et al. Bacterial contamination of neonatal intensive care units: How safe are the neonates? Antimicrob Resist Infect Control. 2021;10(1):26
 4. Sexton JD, Wilson AM, Sassi HP, Reynolds KA. Tracking and controlling soft surface contamination in health care settings. Am J Infect Control [Internet]. 2018 Jan 1 [cited 2022 Apr 29];46(1):39-43.
 Available from: http://www.aiiciournal.org/article/S0196655317309495/fulltext

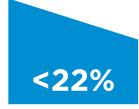
Spotlight on C. difficile Isolation Rooms

The patient has been discharged, but are the pathogens still around?





C. difficile is estimated to cause nearly half a million infections in a year, resulting in 29,300 deaths.²



One study reported less than 22% full compliance with contact isolation precautions in CDI patient rooms.³



The risk of contracting *C. diff* goes up 2.5x for patients assigned to rooms previously occupied by a *C. diff* patient.⁴

Recommended Product Solutions for Isolation Rooms

Trusted Sporicidal Efficacy

Sporicidal surface disinfectants from Clorox Healthcare are trusted by thousands of hospitals in the U.S. Our bleach solutions are engineered to maximize efficacy and minimize residue and surface damage.

For Daily and Discharge Cleaning, Use Sporicidal Disinfectants

Clorox Healthcare® Fuzion® Cleaner Disinfectant

Kills *C. difficile* spores in 2 minutes



- Kills 66 microorganisms including Norovirus and SARS-CoV-2 in 1 minute
- **Low residue** formula even on clear plastics, stainless steel, vinyl and
- Low odor to improve patient and staff experience

Item No.	Description	Quantity		
31478	Trigger Spray	9/32 fl. oz.		
EPA Reg. No. 67619-30				

Clorox Healthcare® Bleach Germicidal Wipes

Kills *C. difficile* spores in 3 minutes



- Kills 66 microorganisms, including C. difficile spores, C. auris, Norovirus, MRSA and VRE in 3 minutes or less
- Proven efficacy against outbreakcausing viruses
- Re-engineered formula leaves less residue behind

Clorox Healthcare® Bleach Germicidal Cleaners

Kills *C. difficile* spores in 3 minutes



- Kills 52 microorganisms, including C. difficile spores, C. auris, MRSA and VRE in 3 minutes or less
- Equivalent to a 1:10 dilution of sodium hypochlorite solution for effective disinfecting against C. diff
- Reduces compliance risks and labor costs associated with dilutable disinfectants

item No.	wipe Size	wipe Count	Format	item No.	De
30577	6" x 5"	6/150 ct.	Canister	68970	Triç
35309	6.75" x 9"	6/70 ct.	Canister	68832	Pul
31424	6.75" x 9"	6/50 ct.	Individual Wipes	68978	Ref
32621	6.75" x 9"	6/100 ct.	Soft Pack		
30358	12" x 12"	2/110 ct.	Bucket		
30359	12" x 12"	2/110 ct.	Bucket Refill		
EPA Reg.	No. 67619-12	!		EPA Reg. No	. 5639

Item No.	Description	Quantity			
68970	Trigger Spray	6/32 fl. oz.			
68832	Pull-Top Bottle	6/32 fl. oz.			
68978	Refill	4/128 fl. oz.			
EPA Reg. No	. 56392-7				

^{1.} Kramer A, Schwebke I, Kampf G. How long do nosocomial pathogens persist on inanimate surfaces? A systematic review. BMC Infect Dis. 2006;6:130.

2. Lessa FC, Winston LG, McDonald LC; Emerging Infections Program C. difficile Surveillance Team. Burden of Clostridium difficile Infection in the United States. N Engl J Med.

^{2.} Lessa FC, Winston LG, McDonald LC; Emerging Infections Program C. difficile Surveillance Team. Burden of Clostridium difficile Infection in the United States. N Engl J Med 2015;372(24):2368-2370.

^{3.} Yanke E et al. Understanding the current state of infection prevention to prevent *Clostridium difficile* infection: A human factors and systems engineering approach. Am J Infect Control. 2015; 43(3):241-247.

^{4.} Sexton JD, Wilson AM, Sassi HP, Reynolds KA. Tracking and controlling soft surface contamination in health care settings. Am J Infect Control [Internet]. 2018 Jan 1 [cited 2022 Apr 29]:46(1):39-43. Available from: http://www.aiiciournal.org/article/S0196655317309495/fulltext.

Spotlight on the Emergency Department

When you don't know what's coming through your doors, don't take any chances with cleaning and disinfection protocols.



137 million

ED visits have increased over the past 10 years and continue to remain high. There are an average of more than 130 million visits to the ED each year.² 66%

Up to $^2/_3$ of ED procedures result in healthcare professional contact with blood or body fluids.³

10%

Among those presenting to U.S. EDs with diarrhea and no vomiting, 10% had a *C. difficile* infection.⁴

- 1. Clorox Custom Research, Acute Care Departmental Quantitative Analysis of Clinical Staff (n=139), March 2018
- 2. Centers for Disease Control and Prevention. 2022. FastStats Emergency Department Visits. Accessed May 27, 2022. https://www.cdc.gov/nchs/fastats/emergency-department.htm. 3. Liang SY, Theodoro DL, Schuur JD, Marschall J. Infection prevention in the emergency department. Ann Emerg Med. 2014;64(3):299-313.
- 4. Abrahamian FM, et al. Clostridium difficile infection among US emergency department patients with diarrhea and no vomiting. Annals of Emergency Medicine. 2017; 70 (1): 19-27e.4.

Recommended Product Solutions for the Emergency Department

Fast Contact Times

Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant liquids and wipes are ideal for use in the Emergency Department. Fast contact times and excellent cleaning power give you more time to care for your patients in need. When *C. difficile* is a concern, trust bleach disinfectants including Clorox Healthcare® Bleach Germicidal Wipes and Fuzion® Cleaner Disinfectant.

For Between-Patient Cleaning

Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectants

> Kills more than 40 microorganisms in 1 minute



- 1-step product for efficient cleaning and disinfecting with less residue
- No added fragrances or harsh odors
- Liquid sanitizes soft surfaces in 30 seconds, kills biofilm bacteria* in 2 minutes

Item No.	Wipe Size	Wipe Count	Format
30824	6.75" x 9"	6/95 ct.	Canister
30825	$6.75'' \times 5.75''$	6/155 ct.	Canister
30826	12" × 11"	2/185 ct.	Bucket
30827	12" × 11"	2/185 ct.	Bucket Ref
EPA Reg. N	No. 67619-25		
Itom No	Docarint	ion	Quantity

 Item No.
 Description
 Quantity

 30828
 Trigger Spray
 9/32 fl. oz.

 30829
 Refill
 4/128 fl. oz.

 EPA Reg. No. 67619-24
 67619-24

Clorox Healthcare® Bleach Germicidal Wipes

> Re-engineered to maximize efficacy, minimize residue



- Kills 66 microorganisms, including C. difficile spores, C. auris, Norovirus, MRSA and VRE in 3 minutes or less
- Proven efficacy against outbreakcausing viruses
- Re-engineered formula leaves less residue behind

Item No.	Wipe Size	Wipe Count	Format
30577	6" x 5"	6/150 ct.	Canister
35309	6.75" x 9"	6/70 ct.	Canister
31424	6.75" x 9"	6/50 ct.	Individual Wipe
32621	6.75" x 9"	6/100 ct.	Soft Pack
30358	12" x 12"	2/110 ct.	Bucket
30359	12" x 12"	2/110 ct.	Bucket Refill

EPA Reg. No. 67619-12

Clorox Healthcare® Fuzion® Cleaner Disinfectant

> Easy-to-use next-generation bleach disinfectant



- ▶ Kills *C.difficile* spores in 2 minutes
- ► Kills 64 microorganisms in 1 minute, including Norovirus and SARS-CoV-2
- ► Low residue formula even on clear plastics, stainless steel, vinyl and
- Low odor to improve patient and staff experience

Item No.	Description	Quantity
31478	Trigger Spray	9/32 fl. oz.
EPA Reg. N	lo. 67619-30	

Clorox products are scientifically tested on a variety of medical surfaces and equipment. For more information, visit https://www.cloroxpro.com/resource-center/surface-compatibility/

^{*} Pseudomonas aeruginosa and Staphylococcus aureus

Spotlight on the **Operating Room**

Cleaning the OR is a complex task involving multiple team members and many different types of surfaces and equipment.



157,500

There are an estimated 157,500 surgical site infections (SSI) that result from inpatient surgeries each year.²

\$21,000

An SSI costs hospitals, on average, \$20,785, but can increase to \$42,000 for infections caused by antibiotic-resistant bacteria, such as MRSA.³



An SSI can increase an average hospital stay from 7 to 11 days.4

1. Jefferson J, Whelan R, Dick B, Carling P. A Novel technique for identifying opportunities to improve environmental hygiene in the operating room AORN J. 2011;93(3):358-364.

2 Magill SS, et al. Multistate Point-Prevalance Survey of Health Care-Associated Infections, N Engl. I Med. 2014; 370(13):1198-1208

Zimlichman E, et al. Healthcare-Associated Infections: A meta analysis of costs and financial impact on the US healthcare system. JAMA Intern Med. 2013;173(22):2039-2046. 4. Anderson DJ, et al. Strategies to prevent surgical site infections in acute care hospitals: 2014 update. Infect Control Hosp Epidemiol. 2014;35(6):605-627.

Recommended Product Solutions for the Perioperative Suite

Trusted Efficacy, Tough Cleaning Power and Fast Contact Times

Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant is ideal for use in the perioperative setting. Fast contact times and strong cleaning power can speed up turnover time, while excellent surface compatibility preserves surfaces without leaving behind heavy residue.

For Between Procedure and Terminal Cleaning

Clorox Healthcare® **Hydrogen Peroxide Cleaner Disinfectant Wipes**

> Kills MRSA, HIV-1, HBV and HCV in 1 minute



- Kills 50 microorganisms in 1 minute or less, including SARS-CoV-2 in 30 seconds
- **1-step product** for efficient cleaning and disinfecting
- No added fragrances or harsh odors

Item No.	Wipe Size	Wipe Count	Format	
30824	6.75" x 9"	6/95 ct.	Canister	
30825	6.75" x 5.75"	6/155 ct.	Canister	
30826	12" x 11"	2/185 ct.	Bucket	
30827	12" x 11"	2/185 ct.	Bucket Refill	
EPA Reg. No. 67619-25				

Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant

> Kills bacteria on hard and soft surfaces



- Kills 40 microorganisms in 1 minute
- Sanitizes soft surfaces in 30 seconds
- Kills biofilm bacteria* in 2 minutes
- No added fragrances or harsh odors

Item No.	Description	Quantity	
30828	Trigger Spray	9/32 fl. oz.	
30829	Refill	4/128 fl. oz.	
FDA Pag No	67619-24		

* Pseudomonas aeruginosa and Staphylococcus aureus

Spotlight on the Labor & Delivery Unit

Maintaining a clean healthcare environment shouldn't get in the way of keeping new moms and babies happy and healthy.



91%

91% of Labor & Delivery nurses say blood stains are challenging to deal with. 82% say MRSA and HIV are top pathogen concerns.¹ 45%

One study found that 45% of high touch surfaces in the NICU were contaminated with *E. coli, Klebsiella spp., S. aureus*, and MRSA.²

2.5X

Babies born <32 weeks and cared for in a NICU were 2.5 times more likely to become colonized with MRSA.³

Recommended Product Solutions for Labor and Delivery

Low Odor, Great Aesthetics

Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes are a versatile alcohol-free quat solution with a low odor profile. These wipes are ideal for use in areas with the most odor-sensitive patients and personnel. For discharge cleaning and when *C. difficile* is a concern, trust bleach disinfectants including Clorox Healthcare® Bleach Germicidal Wipes and Fuzion® Cleaner Disinfectant.

For Daily Cleaning

Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes

Kills bacteria and viruses in 2 minutes



- 1-step cleaner disinfectant kills bacteria and fungus, including MRSA and TB, in 2 minutes
- **Kills viruses**, including mumps and measles viruses, in 30 seconds[†]
- Alcohol-free quat formula offers low odor and low residue

Item No.	Wipe Size	Wipe Count	Format
31757	6.75" x 8"	6/85 ct.	Canister
31758	6" x 5"	6/150 ct.	Canister
31759	12" x 12"	2/110 ct.	Bucket
31761	12" × 12"	2/110 ct.	Bucket Ref

EPA Reg. No. 67619-37

For Discharge Cleaning

Clorox Healthcare® Bleach Germicidal Wipes

Recommended in equipment cleaning and care guides•



- Kills 66 microorganisms, including C. difficile spores, C. auris, Norovirus, MRSA and VRE in 3 minutes or less
- Proven efficacy against outbreakcausing viruses
- Re-engineered formula leaves less residue behind

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		t-gonoi		

Fuzion® Cleaner Disinfectant

Clorox Healthcare®



- Kills C. difficile spores in 2 minutes and 64 microorganisms in 1 minute, including Norovirus and SARS-CoV-2
- Low residue formula even on clear plastics, stainless steel, vinyl and more
- **Low odor** to improve patient and staff experience

Wipe Size	Wipe Count	Format		Item No.	Descripti
6" x 5"	6/150 ct.	Canister		31478	Trigger Sp
6.75" x 9"	6/70 ct.	Canister			
6.75" x 9"	6/50 ct.	Individual Wipes			
6.75" x 9"	6/100 ct.	Soft Pack			
12" x 12"	2/110 ct.	Bucket			
12" x 12"	2/110 ct.	Bucket Refill			
No. 67619-12				EPA Reg. N	lo. 67619-30
			()	1	

Clorox products are scientifically tested on a variety of medical surfaces and equipment. For more information, visit https://www.cloroxpro.com/resource-center/surface-compatibility/

30358 30359

EPA Reg.

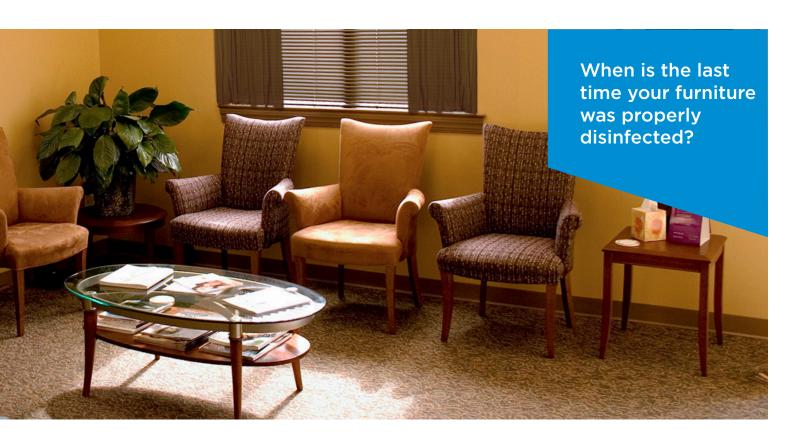
^{1.} Clorox Custom Research, Acute Care Departmental Quantitative Analysis of Clinical Staff (n=139), March 2018.

^{2.} Bhatta D, Subramanya S, Hamal D, Shrestha R, Gauchan E, Basnet S, et al. Bacterial contamination of neonatal intensive care units: How safe are the neonates? Antimicrob Resist Infect Control. 2021; 10(1):26.

^{3.} Washam M, et al. Risk factors for methicillin-resistant Staphylococcus aureus colonization in the neonatal intensive care unit: A systematic review and meta-analysis. Am J Infect Control. 2017;45(12):1388-1393.

Spotlight on **Common and Staff Areas**

Not all surfaces are treated equally when it comes to cleaning and disinfecting.



50 feet

One study showed that a virus can quickly spread within public restrooms and to surfaces 15-50 feet away from the restrooms.1

3 months

Enterococci and Staphylococci can survive for up to 3 months after drying on common healthcare fabrics.²

50%

Almost 50% of professional cleaners experience spills of blood or feces every day.3

1. Pivo T, et al. Movement of pathogens from public restroom to clinical areas in a hospital. Am J Infect Control. 2016;44(6):S44.

Recommended Product Solutions for Common & Staff Areas

Pathogen transmission risks are a facility-wide concern. Our healthcare disinfectants, professional cleaners and disinfectants and enhanced disinfection system are created to help keep surfaces clean and areas comfortable and odor free - from transport equipment to offices and breakrooms to restrooms. For C. difficile concerns in public restrooms and other staff and common areas, we recommend Clorox Healthcare® Fuzion® Cleaner Disinfectant.

CloroxPro® Clorox® **Disinfecting Wipes**

For everyday use in staff areas



- Clean and disinfect with one quick wipe
- Kills 24 viruses, including cold and flu viruses, in just 15 seconds
- Thick textured wipes are ideal for spills and dirt

Item No. Description Quantity Fresh Scent Wipes 75 ct. canister, 6/cs.

Fresh Scent Wipes 700 ct. bucket, 1/cs. Fresh Scent Wipes 700 ct. refill, 2/cs. 31428

EPA Reg. No.

CloroxPro® Clorox® Disinfecting **Bio Stain & Odor Remover**

For bio stains on hard and soft surfaces



- **EPA-registered to kill 19** pathogens found in bio soils in as little as 30 seconds
- Kills 99.9% of bacteria on soft surfaces
- **Broad surface compatibility:** Safe for use on common surfaces in your facility including upholstery, carpet, tile, grout, toilets and more!

Item No.	Description	Quantity
31903	Trigger Spray	9/32 fl. oz.
31910	Refill	4/128 fl. oz.

EPA Reg. No. 67619-33

Clorox Healthcare® Fuzion® Cleaner Disinfectant

For C. difficile concerns in public restrooms



- Kills C. difficile spores in 2 minutes and 64 microorganisms **in 1 minute**. including Norovirus and SARS-CoV-2
- Low odor to improve patient and staff experience
- Leaves little to no residue on surfaces

Item No.	Description	Quantity			
31478	Trigger Spray	9/32 fl. oz.			
EPA Reg. No. 67619-30					

Neely AN, Maley MP. Survival of enterococci and staphylococci on hospital fabrics and plastic. J Clin Microbiol. 2000;38(2):724-726.

^{3.} Clorox Professional Products Company, Online national survey of 217 surface disinfection decision makers, December 2017

Products		? Why	(L) When	9 Where	How Often
Clorox Healthcare® Fuzion® Cleaner Disinfectant EPA Reg. No. 67619-30 31478 Spray, 9/32 fl. oz. Clorox Healthcare® Bleach Germicidal Wipes EPA Reg. No. 67619-12 35309 6.75" x 9", 6/70 ct. 30577 6"x5", 6/150 ct. 30358 12"x12", 2/110 ct. bucket 30359 12"x12", 2/110 ct. refill Clorox Healthcare® Bleach Germicidal Cleaners EPA Reg. No. 56392-7 68970 Spray, 86/32 fl. oz. 68832 Pull-Top bottle, 9/32 fl. oz. 68978 Refill, 4/128 fl. oz.	FIGURE FOR STATE OF THE PROPERTY OF THE PROPER	Kill 66 pathogens including C.difficile in 90 seconds or less with this powerful, next-generation bleach* Kills 67 organisms including C.difficile spores, C.auris, MRSA and VRE in 3 minutes* Kills 58 microorganisms including C.difficile spores, C.auris, MRSA, and VRE in 3 minutes*	During the day, as needed; at the end of the day	High risk-spaces, isolation rooms, bathrooms, high- touch surfaces	During outbreaks or when conducting turnover clean
Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes EPA Reg. No. 67619-25 30824 6.75" x 9", 6/95 ct. 30825 6.75" x 5.75", 6/155 ct. 30826 12"x11", 2/185 ct. bucket 30827 12"x11", 2/185 ct. refill Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Liquids EPA Reg. No. 67619-24 30828 Spray, 9/32 fl. oz. 30829 Refill, 4/128 fl. oz.	And the state of t	Fast kill times on 58* pathogens, including C.auris in 2 minutes Kills 51 pathogens in 1 minute or less including SARS-CoV-2 in 30 seconds*	Daily cleaning and disinfection	Soft or hard surfaces in medium risk or specialty areas	Daily, In between uses or after high- use periods
Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes EPA Reg. No. 67619-37 31757 6.75"x8", 6/85 ct. 31758 6.75"x5", 6/150 ct. 31759 12"x12", 2/110 ct. bucket 31761 12"x12", 2/110 ct. refill CloroxPro® Clorox® Disinfecting Bio Stain & Odor Remover EPA Reg. No. 67619-33 31903 Spray, 32 fl. oz. 31910 Refill, 128 fl. oz.	COUNTY CO	Low odor, low residue, and high efficacy (47 pathogens) in a 2-minute, alcohol-free quat wipe* Kills 99.9% of bacteria on soft surfaces*	Daily cleaning and disinfection, as needed, at the end of the day When there is blood, body fluids or bad odors present (e.g., feces, vomit, urine)	When there is blood, body fluids, bad odors present (e.g., feces, vomit, urine), or low-odor product is needed Places where bio spills happen, or where odor tends to be a challenge	Daily, as necessary Daily, as necessary
CloroxPro® Clorox® Disinfecting Wipes EPA Reg. No. 67619-31 15949 7"x8", 6/75 ct. 31547 7"x7", 1/700 ct. bucket 31428 7"x7", 1/700 ct. refill	COMM. Period	Cleans and disinfects 99.9% of germs in one easy step*	When there is urine odor or stain challenges	Laundry pre- treatment, soft surfraces, bathrooms	As necessary

